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INDEX TO AMERICAN BOTANICAL LITERATURE

1910-1916

The aim of this Index is to include all current botanical literature written by Americans, published in America, or based upon American material; the word America being used in the broadest sense.

Reviews, and papers that relate exclusively to forestry, agriculture, horticulture, manufactured products of vegetable origin, or laboratory methods are not included, and no attempt is made to index the literature of bacteriology. An occasional exception is made in favor of some paper appearing in an American periodical which is devoted wholly to botany. Reprints are not mentioned unless they differ from the original in some important particular. If users of the Index will call the attention of the editor to errors or omissions, their kindness will be appreciated.

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Abbott, F. H. The red rot of conifers. Vermont Agr. Exp. Sta. Bull. 191: 3-20. *pl.* 1-3 + *f.* 1, 2. N 1915.
Trameetes pini.

Albert, F. Observaciones sobre los bosques de Guindos. Bol. Bosques, Pesca i Caza 3: 1-320. Je 1915.
Contains considerable information of a botanical nature.

Benedict, H. M. Senile changes in leaves of *Vitis vulpina* L. and other plants. Cornell Agr. Exp. Sta. Mem. 7: 281-370. *f.* 52-58. Je 1915.

Benedict, R. C. *Nephrolepis*. Standard Cyclopedia of Horticulture. 4: 2131-2135. *f.* 2469-2473. 15 D 1915.

Benoist, R. Descriptions de Lécythidacées nouvelles de l'amérique méridionale. Notulae Systematicae 3: 177-180. 1915.
Four new species in *Lecythis* are described.

Berry, E. W. Notes on the ancestry of the beech. Plant World 19: 68-77. *f.* 1, 2. Mr 1916.

Berry, E. W. Remarkable fossil fungi. Mycologia 8: 73-79. *pl.* 180-182. 11 Ap 1916.
Three new species are described.

Boyce, J. S. A note on *Cronartium pyrifforme*. Phytopathology 6: 202, 203. 4 Ap 1916.

- Bray, W. L.** The development of the vegetation of New York State. New York State College of Forestry, Syracuse Univ. Tech. Publ. 3: 1-186. f. 1-52 + map. [F 1916.]
- Britton, N. L.** *Cassia polyphylla*. Addisonia 1: 3, 4. pl. 2. 31 Mr 1916.
- Britton, N. L.** *Nopalea Auberi*. Addisonia 1: 19, 20. pl. 10. 31 Mr 1916.
- Brown, N. E.** *Aristolochia Lawrenceae*. Curt. Bot. Mag. IV. 12: pl. 8650. Mr 1916.
A plant from Argentine.
- Brown, N. E.** *Chamaedorea nana*. Curt. Bot. Mag. IV. 12: pl. 8652. Mr 1916.
A plant from Costa Rica.
- Chapman, G. H.** Effect of colored light on the mosaic disease of tobacco. Science II. 43: 537, 538. 14 Ap 1916.
- Clausen, R. E., & Goodspeed, T. H.** Hereditary reaction-system relations—an extension of Mendelian concepts. Proc. Nat. Acad. Sci. 2: 240-244. Ap 1916.
- Conzatti, C.** Comentario al plan general de la clasificación de los vegetales. Bol. Direc. Estud. Biol. 1: 281-283. Ja 1916.
- Cook, M. T.** Common diseases of beans. New Jersey Agr. Exp. Sta. Circ. 50: 1-4. 1916.
- Cook, M. T., & Helyar, J. P.** Diseases of grains and forage crops. New Jersey Agr. Exp. Sta. Circ. 51: 1-8. 1916.
- Cook, O. F., & Doyle, C. B.** Germinating cocoanuts. Jour. Heredity 7: 148-157. f. 1-6. Ap 1916.
- Cooper, W. S.** A catalogue of the flora of Isle Royale, Lake Superior. Ann. Rep. Michigan Acad. Sci. 16: 109-131. [1915.]
- Crabill, C. H.** Note on apple root-rot in Virginia. Phytopathology 6: 159-161. f. 1. Ap 1916.
- Craib, W. G.** *Sophora macrocarpa*. Curt. Bot. Mag. IV. 12: pl. 8647. F 1916.
A plant from Chile.
- Crocker, W.** Mechanics of dormancy in seeds. Am. Jour. Bot. 3: 99-120. Mr 1916.
- Dearness, J.** New or noteworthy species of fungi. Mycologia 8: 98-107. 11 Ap 1916.
Twenty-five new species are described.

- Detwiler, S. B.** Douglas fir. Identification and characteristics. *Am. Forestry* **22**: 67-69. F 1916. [Illust.]
- Dodge, C. K.** The flowering plants, ferns, and fern allies growing without cultivation in Lambton County, Ontario. *Ann. Rep. Michigan Acad. Sci.* **16**: 132-200. [1915.]
- Doolittle, S. P.** A new infectious mosaic disease of cucumber. *Phytopathology* **6**: 145-147. 4 Ap 1916.
- Fawcett, H. S.** Report of former plant pathologist. *Ann. Rep. Florida Agr. Exp. Sta.* **1912**: lxiv-xcii. Mr 1913.
Includes further report on stem-end rot, *Phomopsis citri*.
- Fred, E. B.** Relation of carbon bisulphide to soil organisms and plant growth. *Jour. Agr. Research* **6**: 1-20. *pl.* 1, 2. 3 Ap 1916.
- Gates, R. R.** On pairs of species. *Bot. Gaz.* **61**: 177-212. *f.* 1-12. 15 Mr 1916.
- Gilbert, W. W.** Cucumber mosaic disease. *Phytopathology* **6**: 143, 144. *pl.* 5. 4 Ap 1916.
- Gregory, C. T.** The taxonomic value and structure of the peach leaf glands. *Cornell Agr. Exp. Sta. Bull.* 365: 183-224. *pl.* 1-9 + *f.* 37, 38. N 1915.
- Grossenbacher, J. G.** Sour scab of *Citrus* in Florida, and its prevention. *Phytopathology* **6**: 127-142. *f.* 1-4. 4 Ap 1916.
- Harper, E. T.** Two parasitic mushrooms. *Mycologia* **8**: 65-72. *pl.* 177-179. 11 Ap 1916.
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- Herriot, W.** Data on seed maturity of some Ontario plants. *Ottawa Nat.* **29**: 151-157. 10 Ap 1916.
- Higgins, B. B.** Plum wilt, its nature and causes. *Georgia Agr. Exp. Sta. Bull.* 118: 1-29. *f.* 1-25. Ja 1916.
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- Howitt, J. E., & McCubbin, W. A.** An outbreak of white pine blister rust in Ontario. *Phytopathology* **6**: 182-185. 4 Ap 1916.
- Howitt, J. E., & Stone, R. E.** A troublesome disease of winter tomatoes. *Phytopathology* **6**: 162-166. 4 Ap 1916.

- Humphrey, C. J.** Laboratory tests on the durability of American woods—I. Flask tests on conifers. *Mycologia* **8**: 80-92. *pl.* 183. 11 Ap 1916.
- Jacobson, C. A.** Water hemlock (*Cicuta*). Nevada Agr. Exp. Sta. Tech. Bull. 81: 1-46. *f.* 1-10. Mr 1915.
- Jagger, I. C.** Experiments with the cucumber mosaic disease. *Phytopathology* **6**: 148-151. 4 Ap 1916.
- Johnson, J.** Resistance in tobacco to the root-rot disease. *Phytopathology* **6**: 167-181. *f.* 1-6. 4 Ap 1916.
- Johnston, J. R.** Causa de la enfermedad elamada pudricion del cogollo del cocotero. Cuba Estac. Exp. Agron. Bull. 27: 1-106. *pl.* 1-15. Ap 1915.
- Jones, D. F.** Natural cross-pollination in the tomato. *Science* II. **43**: 509, 510. 7 Ap 1916.
- Kirkwood, J. E.** Bisporangiate cones of *Larix*. *Bot. Gaz.* **61**: 256, 257. *f.* 1. 15 Mr 1916.
- Kopeloff, N., Lint, H. C., & Coleman, D. A.** A new method of separating fungi from *Protozoa* and bacteria. *Bot. Gaz.* **61**: 247-250. 15 Mr 1916.
- Kroeber, A. L.** Floral relations among the Galapagos Islands. *Univ. Calif. Publ. Bot.* **6**: 199-220. 10 Mr 1916.
- Land, W. J. G.** Chloroform as a paraffin solvent in the imbedding process. *Bot. Gaz.* **61**: 251-253. 15 Mr 1916.
- Létourneau, F.** Encore une plaie! *Le Naturliste Canadien.* **42**: 113-118. F 1916.
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- Lloyd, C. G.** Mycological notes 39: 525-540. *f.* 718-742. D 1915.
Includes notes on several species of *Cordyceps*; the genus *Mucronella*; *Polyporus Mylittae*; *Xylaria axifera*, *Cladoderris floridana*; *Exidia*; *Sebacina dendroidea*; *Strobilomyces pallidus*.
- Lloyd, F. E.** Abscission in *Mirabilis jalapa*. *Bot. Gaz.* **61**: 213-230. *pl.* 13 + *f.* 1, 2. 15 Mr 1916.
- McAllister, F.** The morphology of *Thallocarpus Curtisii*. *Bull. Torrey Club* **43**: 117-126. *pl.* 4. 14 Ap 1916.
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A new species.
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- Nash, G. V.** *Fouquieria formosa*. Addisonia **1**: 15, 16. pl. 8. 31 Mr 1916.
- Nash, G. V.** *Maxillaria ringens*. Addisonia **1**: 17, 18. pl. 9. 31 Mr 1916.
- Nash, G. V.** *Rhododendron carolinianum*. Addisonia **1**: 1, 2. pl. 1. 31 Mr 1916.
- Nash, G. V.** *Robinia Kelseyi*. Addisonia **1**: 5, 6. pl. 3. 31 Mr 1916.
- Osterhout, W. J. V.** The nature of mechanical stimulation. Proc. Nat. Acad. Sci. **2**: 237-239. f. 1. Ap 1916.
- Peltier, G. L.** *Sclerotium Rolfsii* in Illinois. Phytopathology **6**: 201, 202. 4 Ap 1916.
- Pittier, H.** New or noteworthy plants from Colombia and Central America—5. Contr. U. S. Nat. Herb. **18**: i-ix + 143-171. pl. 57-80 + f. 88-97. 3 Mr 1916.
Fourteen new species and one new genus (*Bombacopsis*) are described.
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- Reichert, E. T.** The specificity of proteins and carbohydrates in relation to genera, species and varieties. Am. Jour. Bot. **3**: 91-98. Mr 1916.
- Rhoads, S. N.** Botanica neglecta. William Young, Jr. (of Philadelphia) "Botaniste de Pensylvanie" and his long-forgotten book, being a facsimile reprint of his "Catalogue d'Arbres, Arbustes et Plantes Herbacées d'Amérique." i-xi + 1-55. Ap 1916.
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- Roe, M. L.** The development of the conceptacle in *Fucus*. Bot. Gaz. 61: 231-246. pl. 14-17. 15 Mr 1916.
- Rose, J. N.** *Echeveria setosa*. Addisonia 1: 11. pl. 6. 31 Mr 1916.
- Rose, J. N.** *Pachyphytum longifolium*. Addisonia 1: 7, 8. pl. 4. 31 Mr 1916.
- Rydberg, P. A.** Phytogeographical notes on the Rocky Mountain region—IV. Forests of the subalpine and montane zones. Bull. Torrey Club 42: 11-25. 29 Ja 1915.
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- Scott, C. A.** Trees for Kansas. Kansas Agr. Exp. Sta. Circ. 55: 1-19. Ja 1916. [Illust.]
- Scott, W. M.** Fighting orchard insects and diseases. Am. Fruit-Grower 2: 3-5. Mr 1916. [Illust.]
- Seaver, F. J.** The earth-inhabiting species of *Ascobolus*. Mycologia 8: 93-97. pl. 184. 11 Ap 1916.
Three new species are described.
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- Small, J. K.** Exploration in southern Florida in 1915. Jour. N. Y. Bot. Gard. 17: 37-45. pl. 166-168. Mr 1916.
- Smith, C. O.** Cottony rot of lemons in California. Calif. Agr. Exp. Sta. Bull. 265: 237-258. f. 1-11. Ja 1916.
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- Spaulding, P.** The blister rust disease of white pine. Am. Forestry 22: 97, 98. f. A-D. F 1916.

- Stapf, O.** *Lupinus Chamissonis*. Curt. Bot. Mag. IV. 12: pl. 8657. Ap 1916.
A plant found in California.
- Stevens, H. E.** Report of plant pathologist. Ann. Rep. Florida Agr. Exp. Sta. 1914: lvii-lxxiv. Ap 1915.
Includes report of work on gummosis and melanose.
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- Wells, B. W.** A survey of the zooecidia on species of *Hicoria* caused by parasites belonging to the Eriophyidea and the Itonididae (Cecidomyiidae). Ohio Jour. Sci. 16: 37-57. pl. 1, 2. 20 D 1915.
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- Woodward, R. W.** *Bidens connata petiolata*. Rhodora **17**: 234. 6 Ja 1916.
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- Zeller, S. M., & Neikirk, A.** Gas exchange in the pneumatocyst of *Nereocystis luetkeana* (Mertens) P. & R. Puget Sound Marine Sta. Publ. **1**: 25-30. 1 Jl 1915.